

San Diego County Regional Airport Authority

OVERVIEW



Presented by:

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To: 2005 Energy Policy Report Committee

California Energy Commission Workshop

May 18, 2005



Presentation Overview

- San Diego County Regional Airport Authority
- San Diego International Airport (SDIA)
- Air Transportation Planning
 - SDIA Master Plan
 - Airport Site Selection Program
- Conclusion



San Diego International Airport

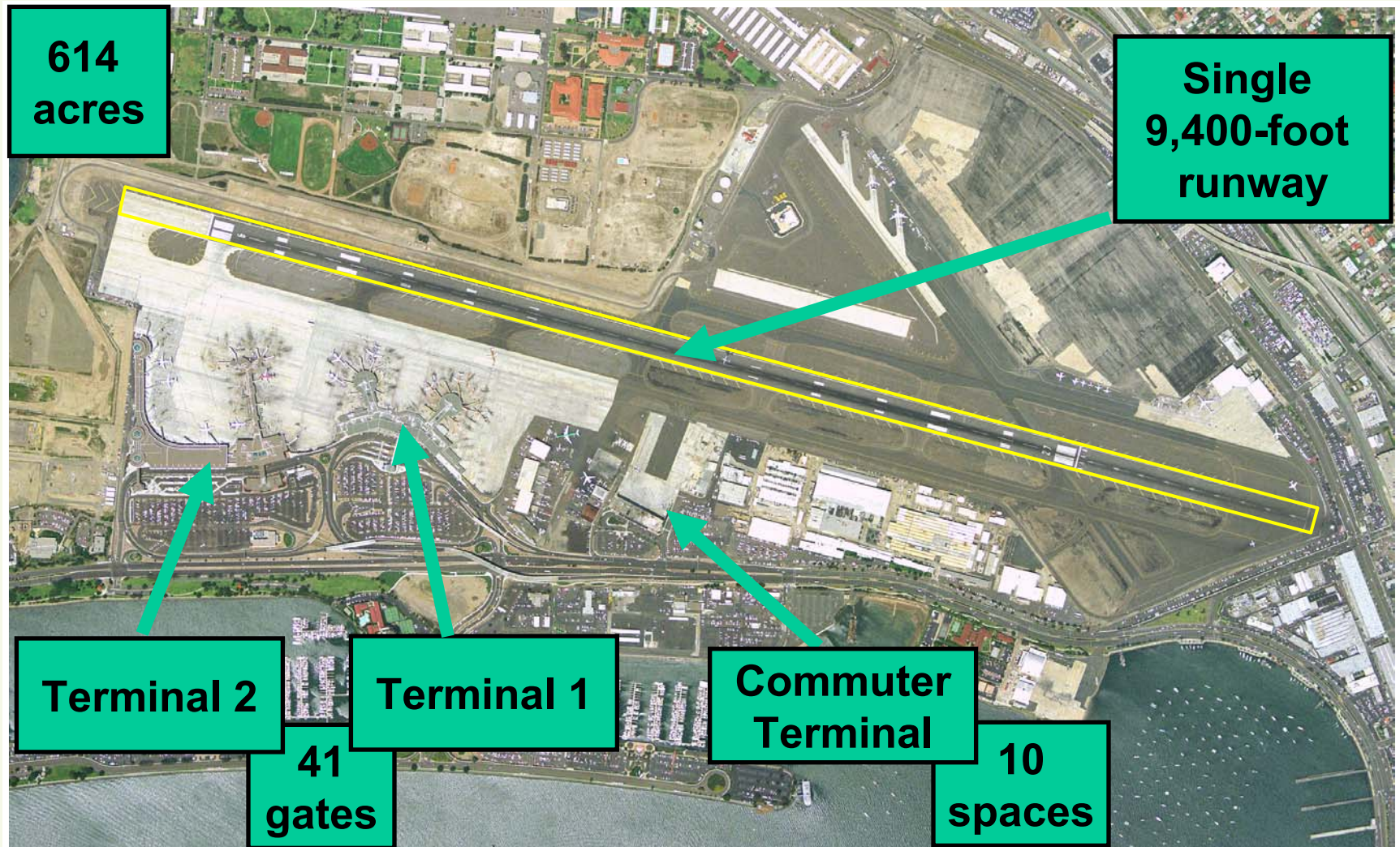
Nation's 29th busiest airport

- Busiest single-runway commercial service airport
- Record-high 16.4 million passengers in 2004
- 209,000 aircraft operations in 2004
- 240 scheduled daily departures
- 20 scheduled passenger air carriers
- 7 all-cargo carriers



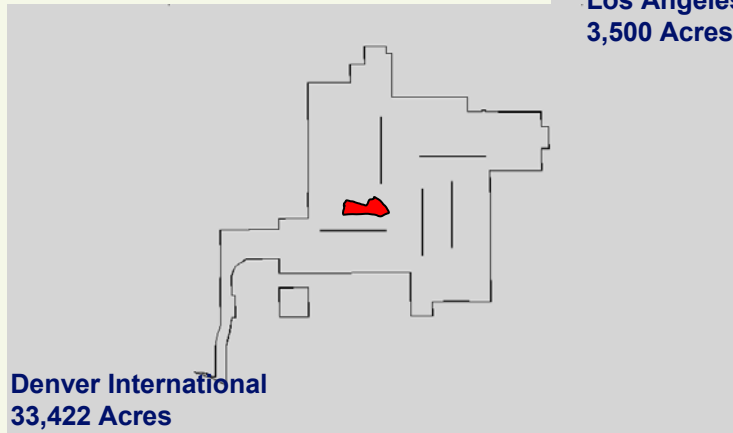
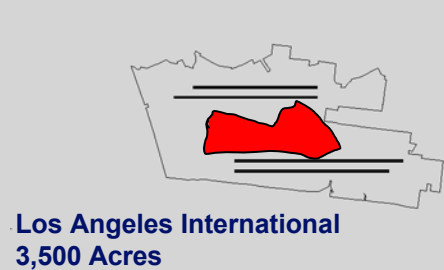
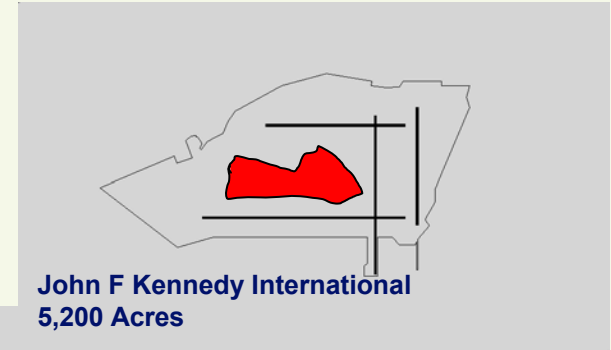
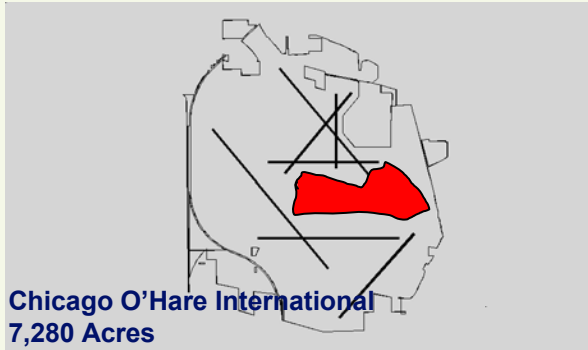


San Diego International Airport





Comparison Of SDIA To Other Commercial Airports





Airport Forecasts

- Operations and Passenger Demand Forecasts **Exceed** Airport's Capacity





The SDIA Activity Forecasts Have Been Subject to an Extensive Process of Internal and External Review

San Diego County Regional Airport Authority

Planning

Airside Operations

Airport Noise

Facilities Development

Site Selection Study Team

SANDAG

**Population & Economic Forecasts
(Regional Demographers)**

Federal Aviation Administration

San Diego Air Traffic Control Tower

Southern California TRACON

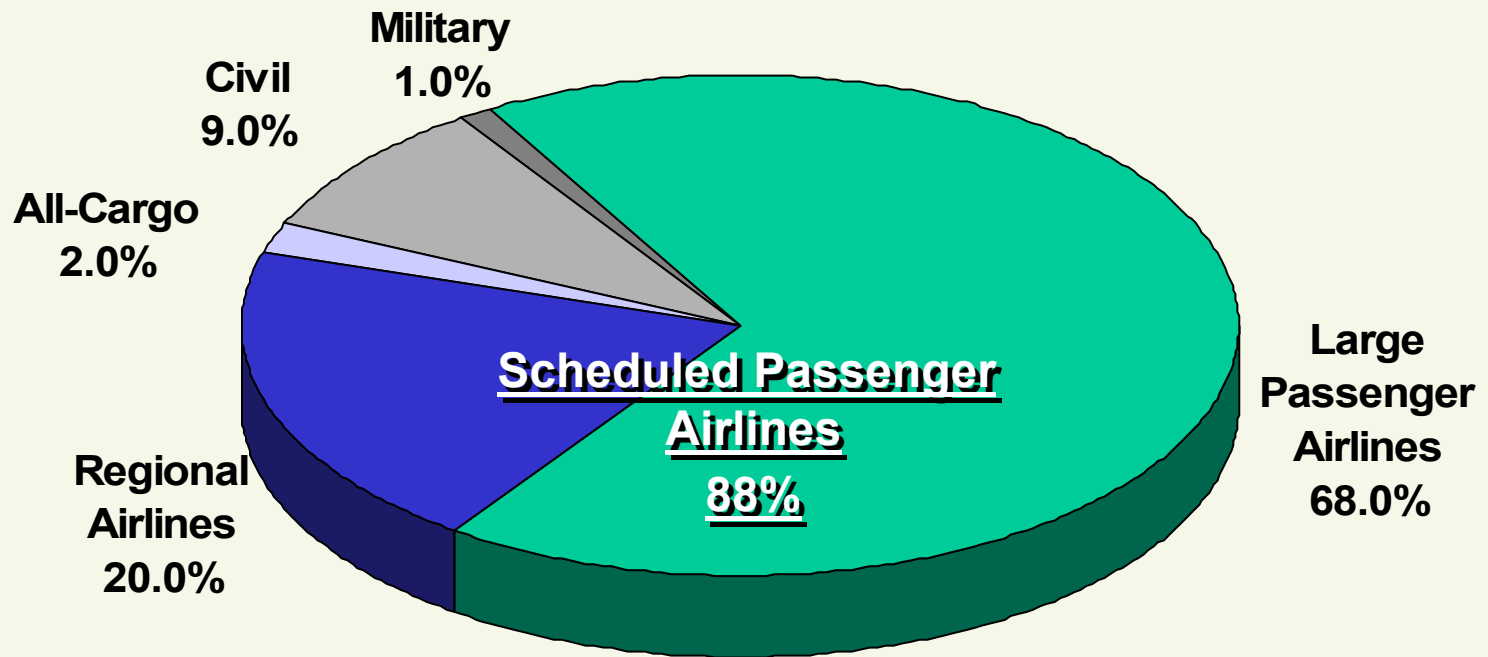
**Western Pacific Region
(Richard Dykas)**

**Office of Operations
Planning Performance Analysis
(Don Guffey)**

**Office of Aviation Policy & Plans
(Roger Schaufele)**



Passenger Airlines Represent the Primary Source of Demand for Runway Capacity at SDIA



Future Growth in Passenger Traffic and Airline Operations Will Represent the Driving Factor in Determining SDIA's Ability to Accommodate Future Demand

Source: SDIA Airport Operations Department, 2004; USDOT T100 Database, 2004.

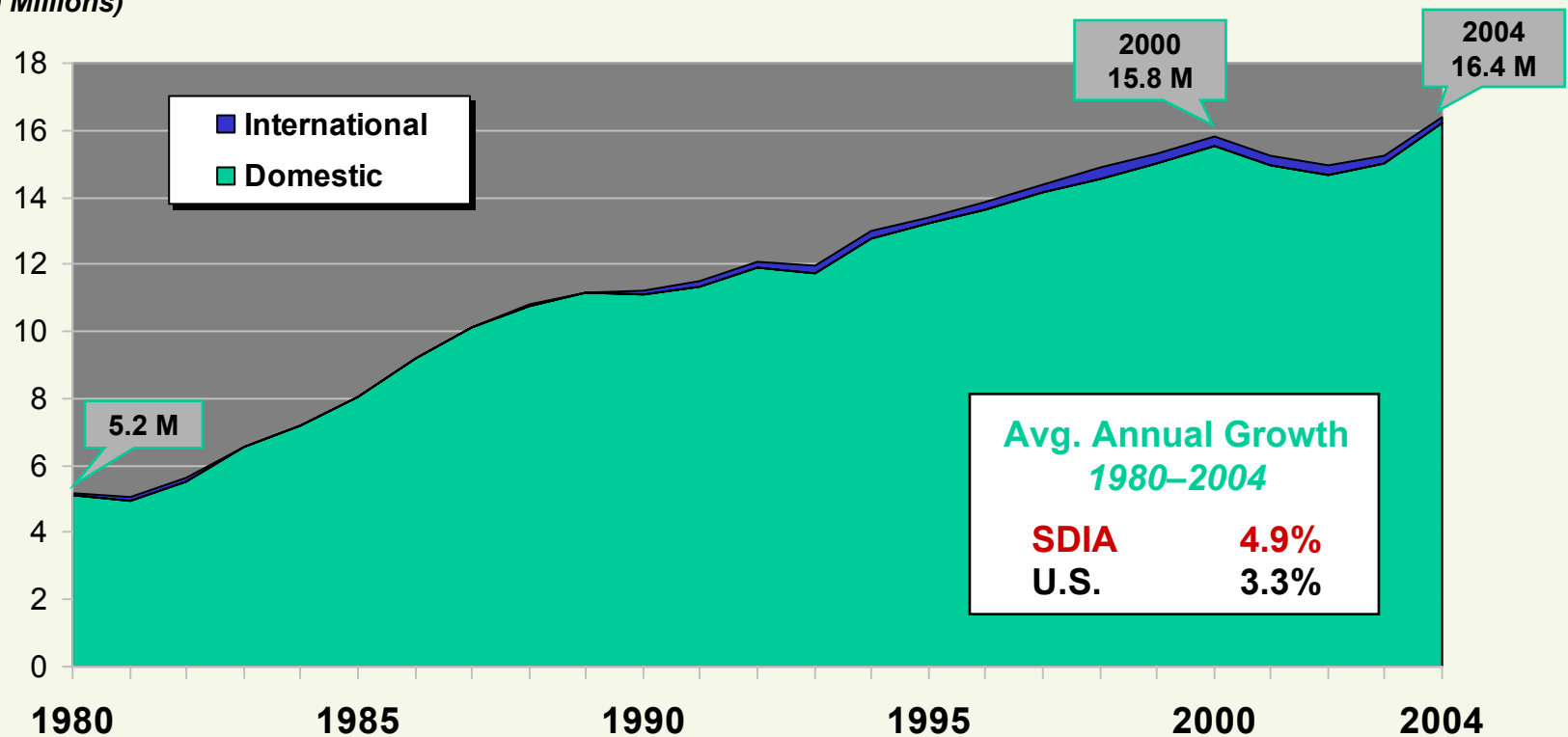


Annual Passengers at SDIA

Since 1980, passenger traffic at San Diego International Airport has *tripled*.

Annual
Passengers
(In Millions)

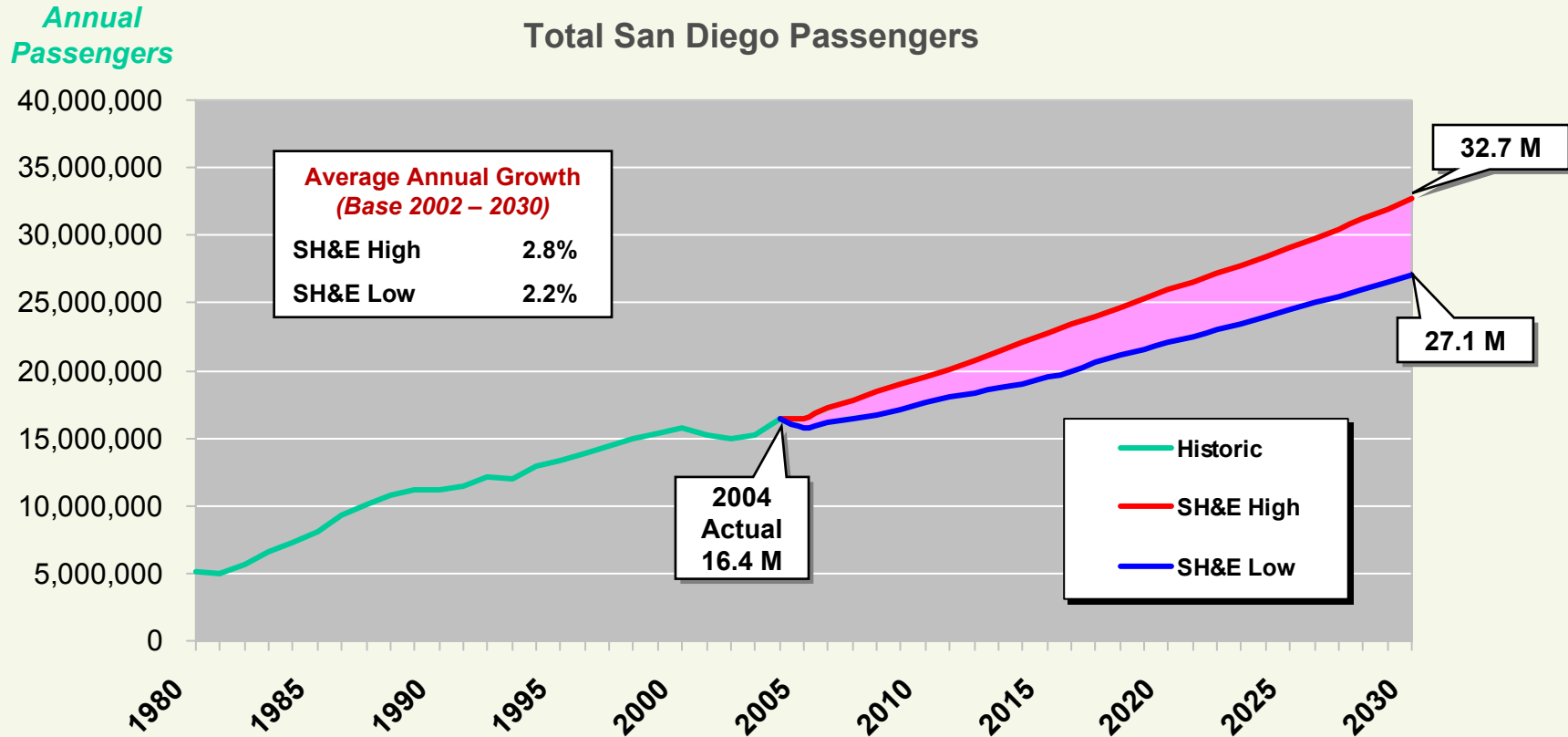
Annual Passengers at SDIA



Sources: San Diego Unified Port District Statistics; SDIA Master Plan Update; SDIA Airport Operations Dept; FAA Terminal Area Forecast; Air Transport Association.



Passenger Growth Forecast through 2030



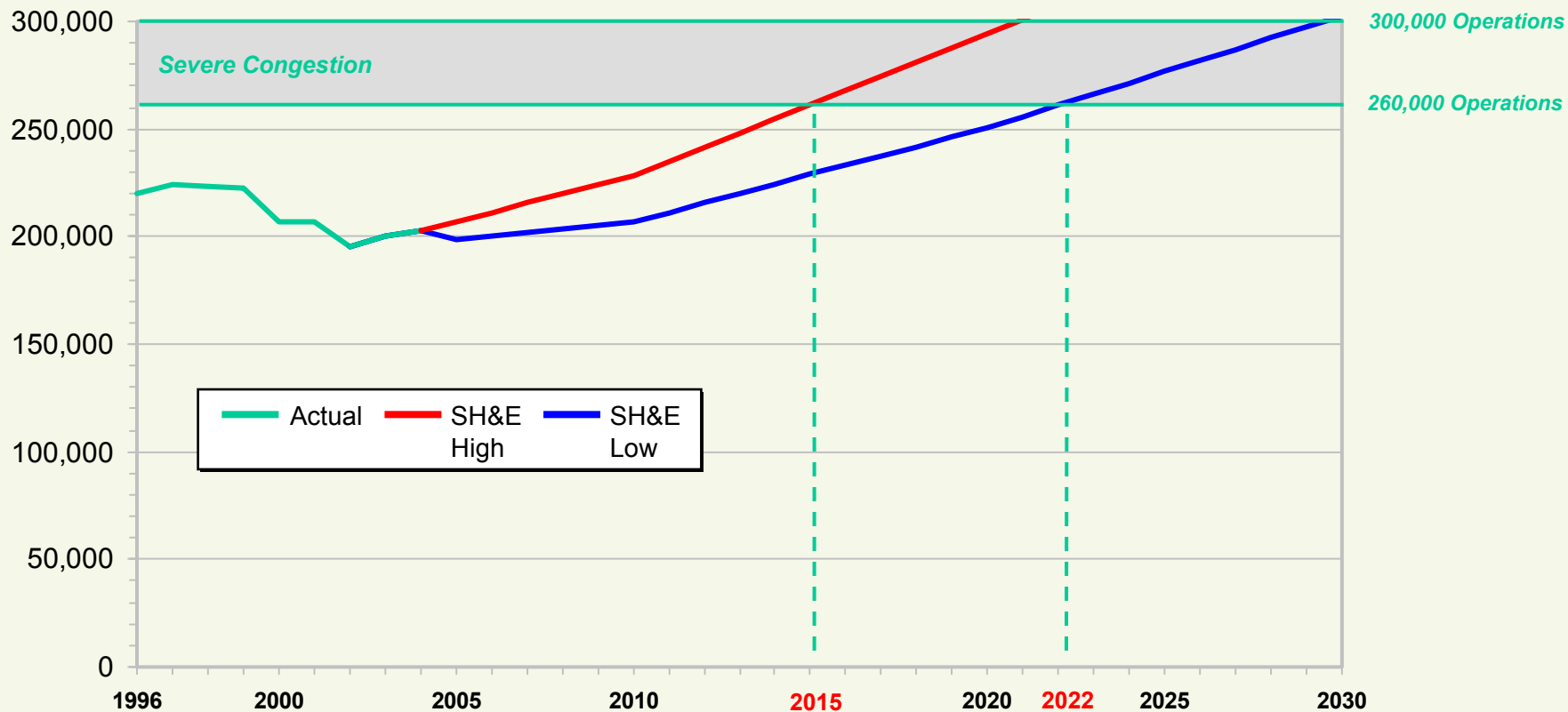
Sources: SH&E Analysis; San Diego International Airport Master Plan Final Report – June 2001; HNTB Airport Economic Analysis (AEA), HR&A with Landrum and Brown, January 2001.



Annual Operations Forecast for SDIA

Comparison of Operations Forecasts for SDIA

Aircraft
Operations



Note: Operating Thresholds Based on SH&E Capacity/Delay Analysis and FAA Guidelines. Source: SH&E Analysis; SDIA Airport Operations Dept; FAA Statistics.



Current Cargo at SDIA

- SDIA handled over 120,840 metric tons of cargo in 2004
- However, most of San Diego international air cargo transits Los Angeles International (LAX)
- SDIA estimates that San Diego County trades 62,746 metric tons by air with Asia every year

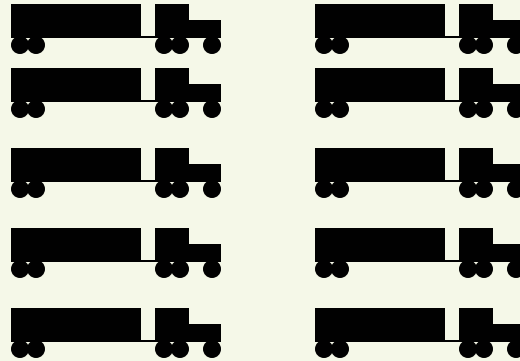


Source: Dept of Commerce – Trade Statistics Database and SDIA Operations



Asia Cargo and San Diego

San Diego - Asia Air Cargo is being trucked to / from LAX – estimated over 60,000 MT a year



This represents over 3,137 truck trips per year between San Diego and Los Angeles

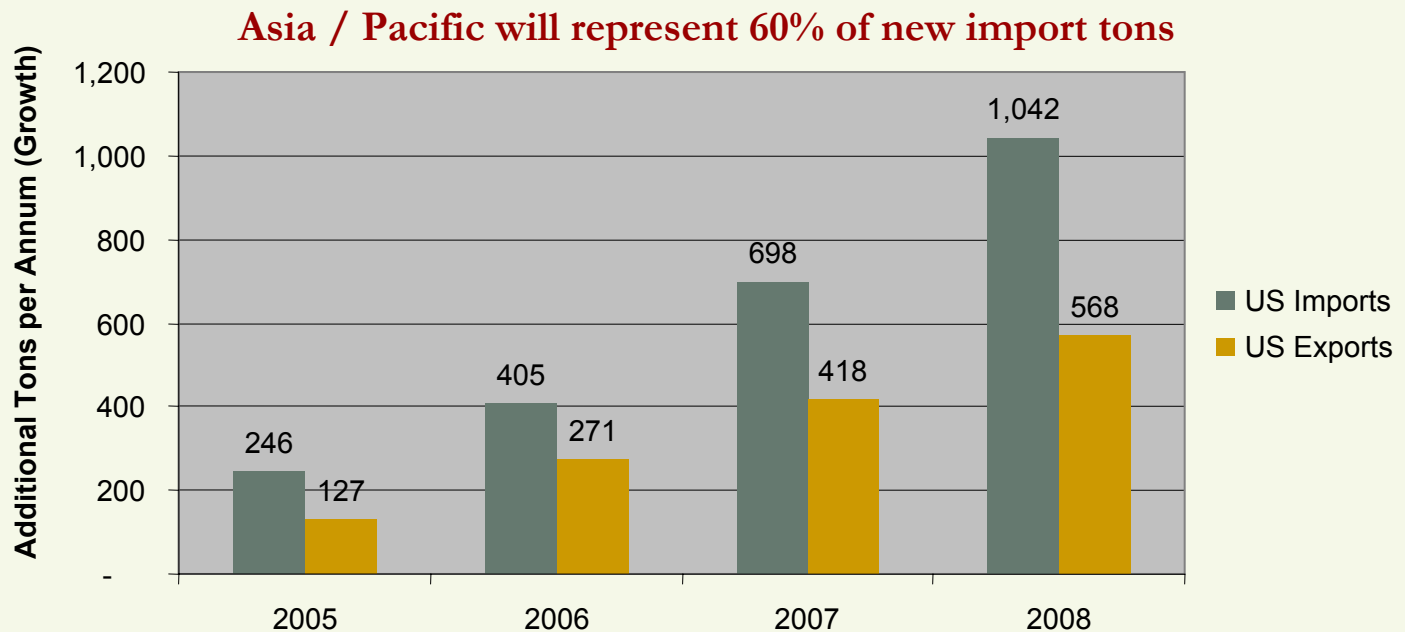
-Fuel and Infrastructure Costs

Assumption: Average truck carries 20 MT cargo



Greatest Cargo Growth to/from U.S. will be with Asia

Forecast Growth in U.S. Intercontinental Air Freight Demand
Thousands of Additional Metric Tons Compared to 2004



Source: MergeGlobal via Nippon Cargo



Growth may Foster Need for New Cargo Gateways

The Formula for a New Cargo Gateway

Market	&	Airport
<ul style="list-style-type: none">• Strong local production of air imports / exports• Air cargo potential within 400 mile radius• Strong air freight forwarder presence• Inbound and outbound demand• Interline connecting traffic		<ul style="list-style-type: none">• Adequate cargo facilities• Ability to handle special cargo• Quality of support services• Excellent links to national highway network• Absence of operating restrictions (eg. night ops)• Competitive rates and charges

Greater Efficiencies in getting goods to intended markets !



Air Transportation Planning



Short-Term

- Airport Master Plan
- Capital Improvement Program

Long-Term

- Airport Site Selection Program





Short Term: San Diego International Airport Master Plan

- Measured, incremental improvements to SDIA...
- ...to ensure the Airport continues to serve the region well for as long as it's needed



Airport Master Plan Process



**Forecast Passengers
and Operations**



**Develop Facility
Requirements**



Develop Concepts for Airport Master Plan



Prepare Cost Estimate & Finance Plan



Conduct Environmental Review



Facility Requirements

Developed using *constrained* forecast



Airfield Facility Requirements



Terminal Facility Requirements



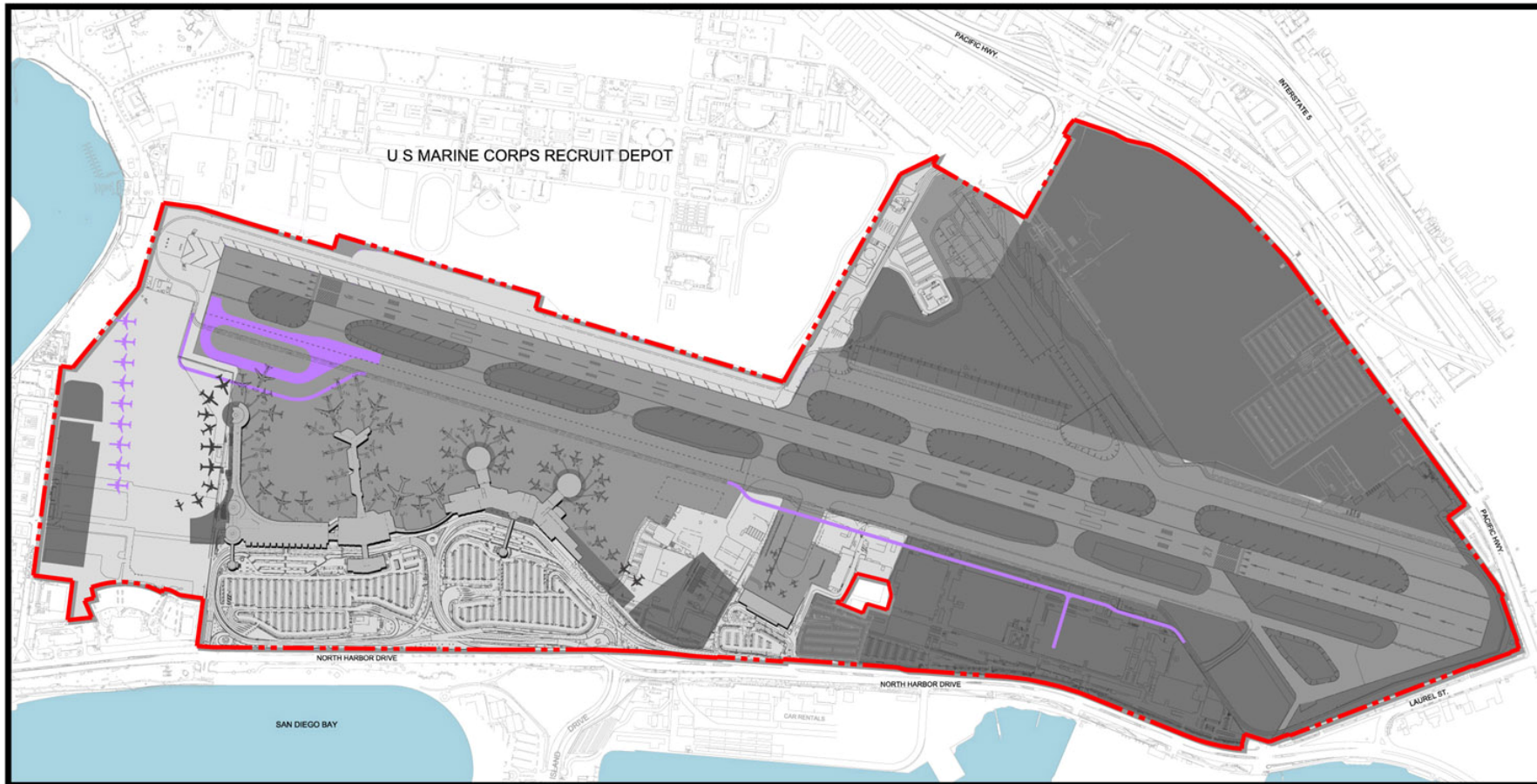
Ground Transportation Facility Requirements



Airport Support Facility Requirements



Airfield Implementation Plan



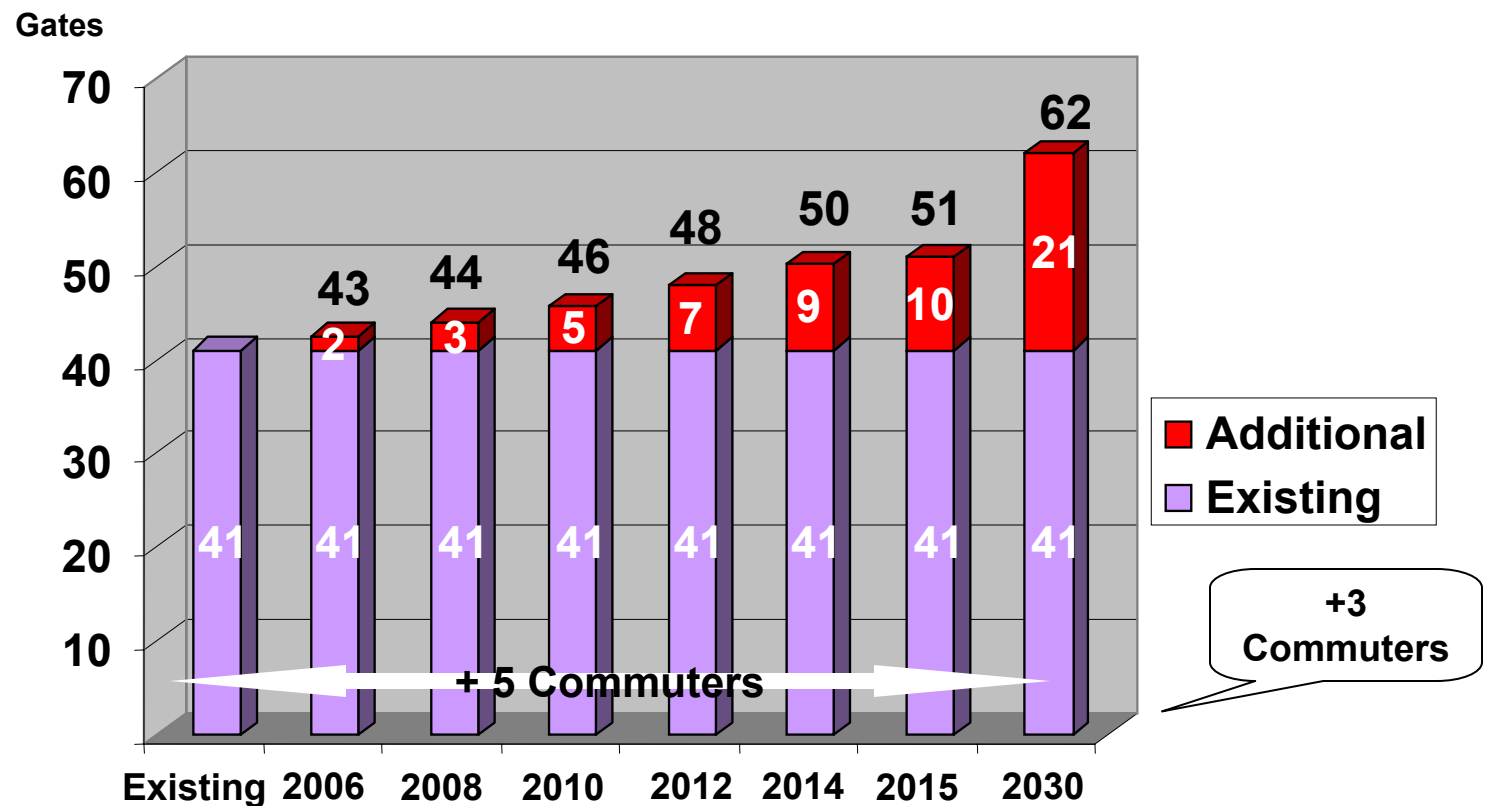
- Taxiway B Upgrade for Group V aircraft
- Potential for parallel taxiway north of T2 West

- Additional RON positions



Terminal Facility Requirements

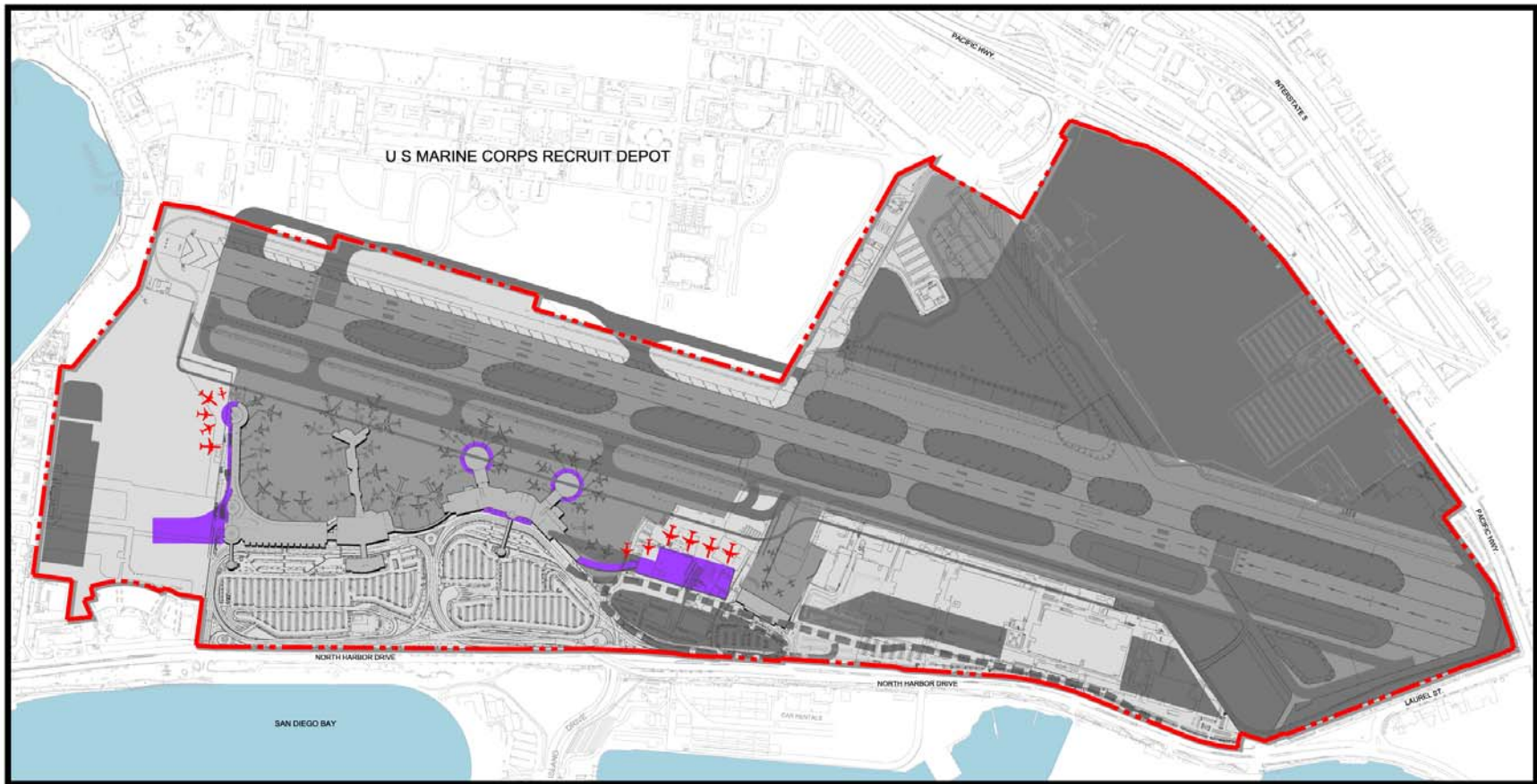
Gate Requirements (number of gates)



Notes: 1. In any given year, real need for gates may vary by one or two because of year-to-year variations in airline schedules & operations. 2. Gate requirement estimates do not include spare gates.



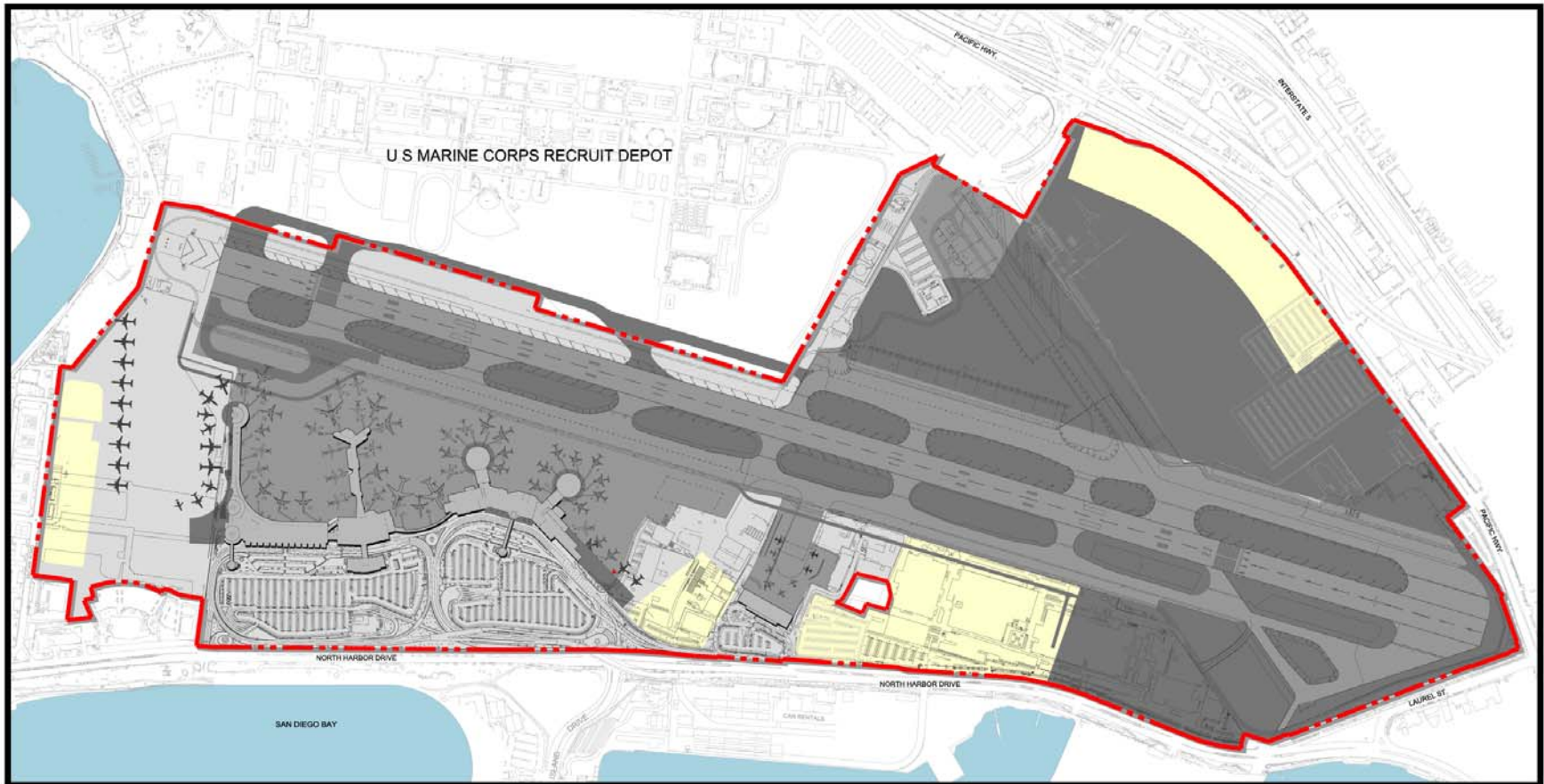
Terminal Implementation Plan



- Build-out of T2 West or
- New terminal constructed east of existing T1



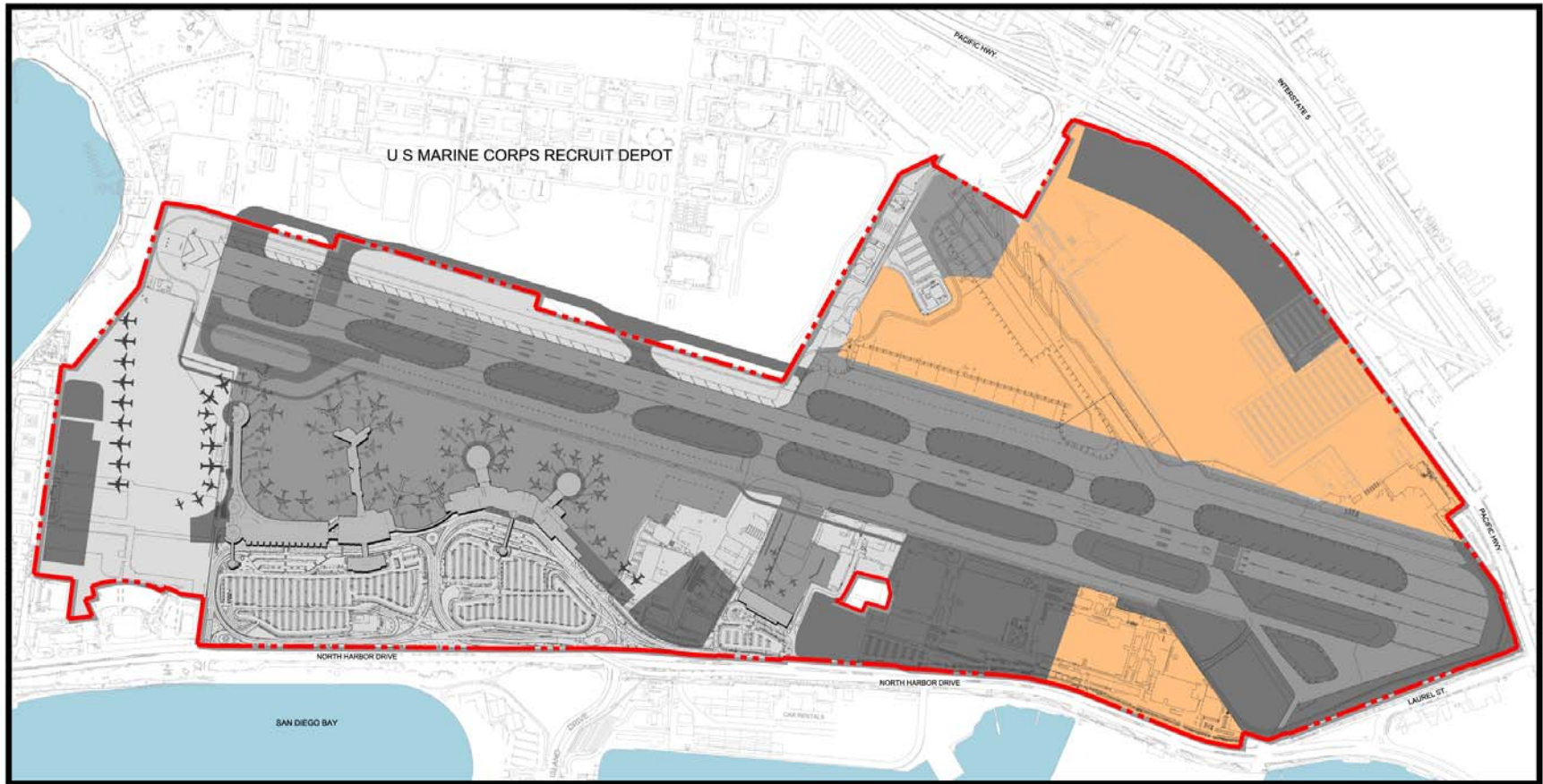
Ground Transportation Implementation Plan



- Expanded Parking
- Expanded Rental Car Facilities



Airport Support Implementation Plan



- Expanded & improved cargo facilities on former General Dynamics (GD) & Teledyne-Ryan (TDY) properties
- Potential expansion of FBO facility at former GD or TDY properties



Airport Site Selection Program

- Mandated by law to address the region's long-term air transportation needs
- Comprehensive process to evaluate all potential sites
- County-wide vote to take place in November 2006



Questions

